

Notice of Allowability

Application No.

09/944,890

Examiner

Inder P. Mehra

Applicant(s)

YOUNG, SONG-LIN

Art Unit

2617

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to amendment dated 8/28/06.
2. ☒ The allowed claim(s) is/are 1, 10-20, 25-27, 32-33, 35, 42-50 and 55 (Renumbered as 1-28 respectively).
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.


Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)
3. ☒ Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date 8/31/01
4. ☐ Examiner's Comment Regarding Requirement for Deposit
of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☒ Interview Summary (PTO-413),
Paper No./Mail Date 9/2/03
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____


JOHN PEZZLO
PRIMARY EXAMINER

DETAILED ACTION

1. This office action is in response to amendment dated: 8/26//06. Based on this amendment, claims 1,10-20,25-27,32-33,35,42-50, and 55 are pending.
2. Applicant's request for reconsideration of the finality of the rejection of the last Office action is persuasive and, therefore, the finality of that action is withdrawn.

EXAMINER'S AMENDMENT

3. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Gerald Maliszewski, Attorney, Reg. No. 38,054, on 9/1/06. The application has been amended as follows:

Refer to claim 1, line 5. "a piconet beacon frequency" has been changed to --the piconet beacon frequency-- .

Refer to claim 1, line 11 . "the BD_Addr" has been changed to --the master device's BD_Addr-- .

Refer to claim 1, line 18. "an inquiry device" has been changed to --the inquiry device -- .

Refer to claim 11, line 2. "transmitting a second" has been changed to -- the transmitting the second -- .

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Refer to claim 11, line 4. “the FHS packet payload” has been changed to –the second downlink FHS packet payload -- .

Refer to claim 12 , line 2 . “transmitting a second” has been changed to –the transmitting the second--.

Refer to claim 16, line 2. “broadcasting a piconet beacon frequency” has been changed to – the broadcasting the piconet beacon frequency -- .

Refer to claim 19, line 3. “establishing a piconet” has been changed to -- the establishing the piconet -- .

Refer to claim 19 , line 4 . “broadcasting a piconet beacon frequency” has been changed to --the broadcasting the piconet beacon frequency -- .

Refer to claim 19, line 8. “monitoring for the piconet beacon frequency” has been changed to – the monitoring for the piconet beacon frequency -- .

Refer to claim 20, line 2. “ the establishment of piconet” has been changed to –an establishment of piconet-- .

Refer to claim 20, line 4. “a master device” has been changed to –the master device --.

Refer to claim 20, line 12. “the FHS packet” has been changed to -- the first uplink FHS packet -- .

Refer to claim 20, line 16. “the FHS packet” has been changed to -- the first uplink FHS packet-- .

Refer to claim 25, line 2. “transmitting a second downlink” has been changed to – the transmitting the second downlink --

Refer to claim 27, line 4. “the piconet” has been changed to -- a piconet --

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Refer to claim 27, line 11. "FHS packet" has been changed to -- the first uplink FHS packet --

Refer to claim 27, line 12. "the FHS packet" has been changed to -- the uplink FHS packet --

Refer to claim 27, line 16. "the FHS packet" has been changed to -- the second downlink FHS packet --

Refer to claim 27, line 18. "master device" has been changed to -- a master device --

Refer to claim 33, lines 8-9. "the piconet beacon frequency" has been changed to -- the master device's piconet beacon frequency --

Refer to claim 33, line 9. "the BD_Addr" has been changed to -- the master device's BD_Addr --

Refer to claim 33, line 12. "the master device BD_Addr" has been changed to -- the master device's BD_Addr --

Refer to claim 33, line 15. "the FHS packet" has been changed to -- the first uplink FHS packet --

Refer to claim 43, line 3. "the FHS payload" has been changed to -- the second downlink FHS payload --

Refer to claim 44, line 2. "the FHS payload" has been changed to -- the second FHS payload --

Refer to claim 55, line 1. "device inquiring" has been changed to -- inquiring device --

Refer to claim 55, line 2. "the inquiring device" has been changed to -- the Bluetooth protocol inquiring device --

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Refer to claim 55, line 9. "a master device" has been changed to -- the master device --

Refer to claim 55, line 14. "the inquiring device" has been changed to -- the Bluetooth protocol inquiring device --

Refer to claim 55, line 18. "its" has been changed to -- a Bluetooth protocol inquiring BD_Addr--

Refer to claim 55, line 18. "the master device" has been changed to --the piconet master device --.

Information Disclosure Statement

4. The information disclosure statement (IDS) submitted on 8/31/01 was filed. The submission is in compliance with the provisions of 37 CFR 1.97. Accordingly, the information disclosure statement is being considered by the examiner.

Allowable Subject Matter

5. Claims 1,10-20,25-27,32-33,35,42-50, and 55 are allowed.

REASONS FOR ALLOWANCE

6. The following is an examiner's statement of reasons for allowance:

The prior art of record does not disclose, teach or suggest directly, or indirectly the following limitations in combinations with other limitations of the claims:

As recited by claim 1,

- “ following the receiving of the first downlink FHS packet by the inquiring device, transmitting a first uplink FHS packet from the inquiring device to the master device, including the inquiring device BD_ addr in the FHS packet payload and an access code (AC) derived from the master device BD addr”.

As recited by claim 20,

- “following the receiving of the first uplink FHS packet by the master device, transmitting a second downlink FHS packet from the master device to the inquiring device with an AM_addr in the first uplinkFHS packet payload.”.

As recited by claim 33,

- transmitting a first uplink FHS packet to the master device following the reception of the first downlink FHS packet, including an inquiring device BD_ addr in the first uplink FHS packet payload, and a FHS packet access code (AC) derived from the master device BD_ addr”.

As recited by claim 55,

- wherein the Bluetooth protocol inquiring device derives the piconet master device frequency hopping sequence from the master device BD addr and CLK information~ and wherein the transmitter transmits a first uplink FHS packet,

including a Bluetooth protocol inquiring BD_ addr, to the master device following the reception of the first downlink FHS packet”.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled “Comments on Statement of Reasons for Allowance.”

Prior Art of Record

7. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Heinonen et al (US Patent No. 6,744,753) discloses local service handover, in which wireless mobile device sends a request for service to be obtained over the Internet.

Conclusion


8. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Inder P. Mehra whose telephone number is 571-272-3170. The examiner can normally be reached on Monday through Friday from 8AM to 5PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Joseph Feild can be reached on 571-272-4090. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Inder Pal Mehra 9/3/06
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Art Unit 2617


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